



USB Active Speaker System

Operating Instructions

UZ-US501

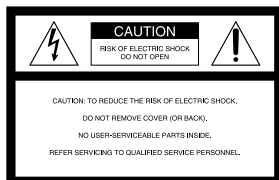
WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

For customers in the U.S.A.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

Owner's Record

The model and serial numbers are located at the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Aiwa dealer regarding this product.

Model No. UZ-US501
Serial No. _____

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If you have any questions about this product, you may call; Aiwa Customer Information Center
1-800-289-2492 or <http://www.us.aiwa.com/>

Declaration of Conformity

Trade Name: AIWA
Model No.: UZ-US501
Responsible Party: Sony Electronics Inc.
Address: 680 Kinderkamack Road, Oradell,
NJ 07649 USA
Telephone No.: 201-930-6973

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Precautions

On safety

Should any solid object or liquid fall into the cabinet, unplug the system and have it checked by qualified personnel before operating it any further.

On power sources

- The system is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the system itself has been turned off.
- If you are not going to use the system for a long time, be sure to disconnect the system from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- AC power cord must only be changed at the qualified service shop.

On placement

Do not place the system in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.

On adjusting volume

Do not turn up the volume while listening to a portion with very low level input (soft sound) or no audio signal. If you do, the speakers may be damaged when a peak level portion is played.

On cleaning

Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you encounter colour irregularity on a nearby TV screen

This speaker system is magnetically shielded for placement near a TV set. However, depending on the TV set, colour irregularity may be observed on the TV screen.

If colour irregularity is observed...

Turn off the TV set, then turn it on again in 15 to 30 minutes.

If colour irregularity persists...

Place the speakers farther away from the TV set.

If colour irregularity is observed again and continuously...

Do not place magnetic objects near the speakers as magnetic interaction between them may cause colour irregularity on a nearby TV screen.

Magnetic objects ...

Racks, magnets attached to the doors, health appliances, magnets used for toys, etc.

If you have any questions or problems concerning your system, please consult your nearest Aiwa dealer.

About this manual

The instructions in this manual primarily describe the controls on the remote. You can also use the basic controls on the system if they have the same or similar names as those on the remote.

About installing the supplied software “WinDVD,” refer to 5, 20 page, and for instructions, refer to the help file after connecting the system.

Required system equipment

Required system for computer

The following hardware and software are necessary for the speaker system.

For details on the required system equipment and recommended computer environments for enjoying 5.1channel sound on a computer, see “Required system for WinDVD” (page 5).

Computer

IBM PC/AT or Compatible

- CPU: Pentium II 400 MHz or higher (Pentium III 450 MHz or higher is recommended)
- RAM: 128 MB or higher is recommended
- Others
 - CD-ROM drive
 - USB port that supports USB 1.1 or higher

Operating System

- Windows XP Home Edition
- Windows XP Professional
- Windows Millennium Edition (ME)
- Windows 2000 Professional
- Windows 98 Second Edition (SE)

Operation is not assured in the following environments.

- Macintosh
- Personally constructed computers or operating systems
- Windows XP versions other than Home Edition or Professional
- Windows 2000 versions other than Professional
- Windows 98 versions other than Second Edition
- Windows NT/ Windows 95
- An environment upgraded to the other operating systems
- Multi-boot environment/ Multi-monitor environment

Notes

- Operations are not guaranteed for all the recommended computer environments mentioned above.
- It is recommended to connect the USB cable directly to the USB port of the computer. Connecting through a USB hub is not recommended.

Required system for WinDVD

When you use “WinDVD,” these condition are required for the following environments. Before installing “WinDVD,” be sure the minimum required system and hardware exists.

Computer

IBM PC/AT or Compatible

- CPU: Pentium Intel Pentium III 500MHz or higher (Pentium III 700 MHz or higher is recommended)
- Memory: 128 MB
- Hard disk: 50 MB or more
- Others
 - Graphic Code: 24bit dpi, SVGA, AGP Video card for DirectX
 - DVD Drive: DVD-ROM, DVD-R/RW, DVD-RAM, DVD+RW Drivers for feeds II or more version
 - DirectX 8.1: Included in the supplied CD-ROM.
 - Internet Environments: Required for updating.

Operating System

- Windows XP Home Edition
- Windows XP Professional
- Windows Millennium Edition (ME)
- Windows 2000 Professional
- Windows 98 Second Edition (SE)

Notes

- Depending on the environment, it may be necessary to upgrade the system and hardware on your computer.
- Administrator support only. Log in as administrator before installing.
- Dual CPU and dual boot environments are not guaranteed.

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TM and ® marks are omitted in this manual.

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This system incorporates Dolby* Digital and Pro Logic II decoder and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
“Dolby”, “Pro Logic”, and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from Digital Theater Systems, Inc. “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

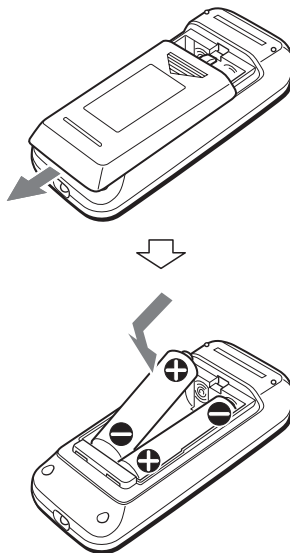
Unpacking

Check that you have the following items:

- Subwoofer (1)
- Satellite speakers
Front/Center (Dual Center) (2)
Surround (2)
- USB cable 1.8 m (5.9 ft.) (1)
- Remote commander (remote) RM-Z7S101 (1)
- CD-ROM WinDVD (1)
- Operating Instructions (this book) (1)

Inserting batteries into the remote

You can control the system using the supplied remote. Insert two size AA (R6) batteries (not supplied) by matching the + and – on the batteries. When using the remote, point it at the remote sensor  on the system.



Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you will not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Hookup

Preparation 1: Connecting the satellite speakers

Before connecting, make sure that the subwoofer is turned off and the power cord unplugged. Connect the supplied satellite speakers to the subwoofer. The speaker plugs and each terminal of the subwoofer are colour-coded. Connect the speaker cables to their matching colour-coded terminals.

After connecting the speakers to the system, connect the AC power cord (mains lead) of this system to a wall outlet (mains).

Preparation 2: Connecting computer and audiovisual equipment

A When connecting to computers - the USB connection

- 1 Turn on the system and your computer.
- 2 Connect the system to your computer with the supplied USB cable.

About the installation of the USB device driver

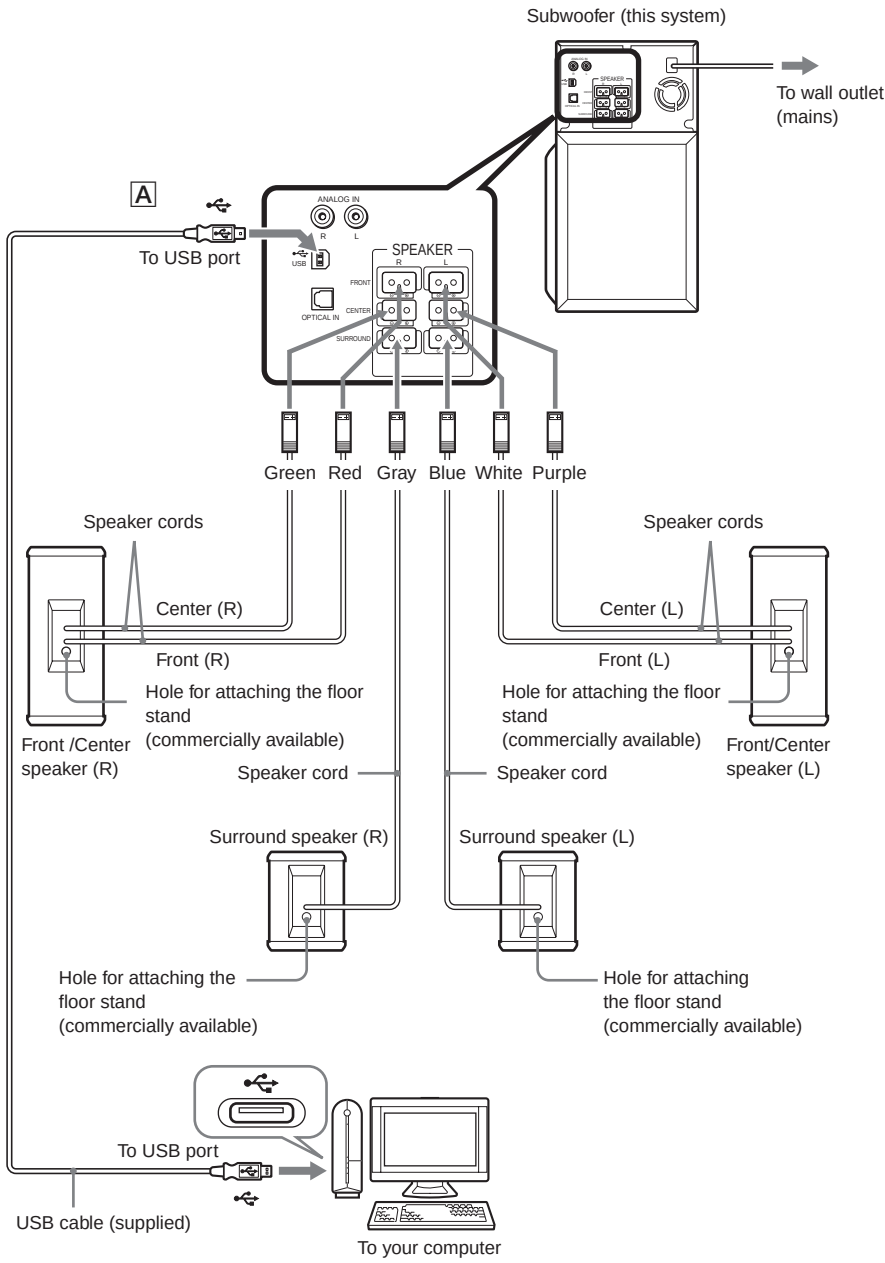
In Step 2, if your computer automatically detects the subwoofer as new hardware, it will start installing the USB device driver. Installation time will depend on your computer environment. After the installation window disappears, wait for a few minutes before continuing.

- If you use Windows 98 SE or Windows ME, install the USB device driver by following the on-screen instructions. If a message appears indicating that the computer cannot find the driver's file, insert the Windows OS CD-ROM into the CD-ROM drive of your computer and follow the on-screen instructions to resume the installation.
- If you use Windows 2000 or Windows XP, log in as Administrator before installing the driver.

Notes

- It may be necessary to restart the computer after you connect it to this system.
- It is recommended to disconnect the USB cable when not operating this system.
- When the system is connected to the USB port of your computer, the audio output is switched from your computer to the system. When the USB cable is disconnected, the audio output returns to your computer.
- If you use a USB hub or an extended USB cable, optimum performance is not guaranteed.
- Use only the supplied USB cable, otherwise optimum performance is not guaranteed.
- If you use a computer with a built-in Transmeta Cusoe processor, the USB speaker function may not work.

Connection

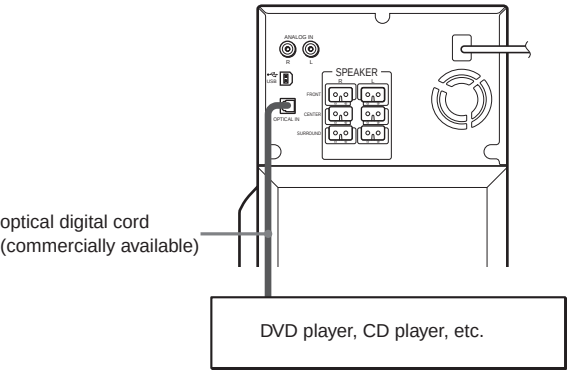


B When connecting to other components

This system can be connected to digital audio/video components such as a DVD player or CD player, and analog components such as a TV or VCR. See also the operating instructions of the equipment you want to connect.

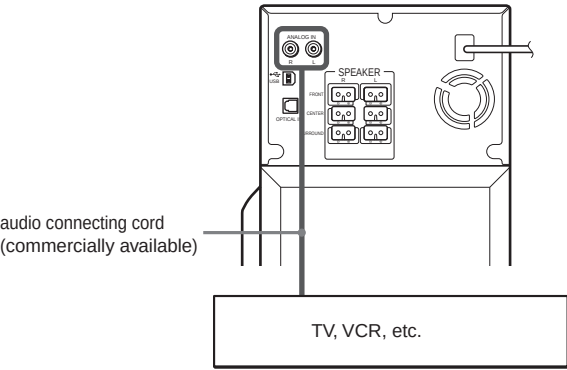
Connecting to a digital audio/video component

Connect the component to the OPTICAL IN jack.



Connecting to an analog audio/video component

Connect the component to the ANALOG IN (L/R) jacks.

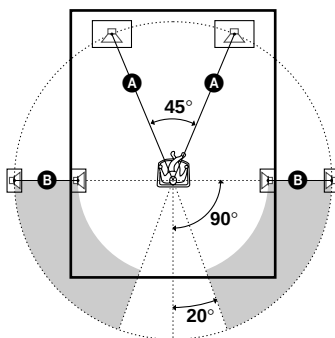


Speaker Setup

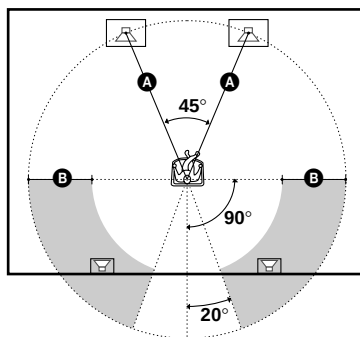
Positioning the speakers

The satellite speakers are designed so that the left speaker should be set only on the left side and the right speaker should be set only on the right side, therefore make sure which is which when setting up. Each satellite (Front/Center) speaker is dual center type, with built-in center speaker. The speakers are designed to channel sounds inward. For the best possible surround sound, all speakers other than the subwoofer should be equidistant from the listening position. The satellite (Front/Center) speaker can be placed from 0.4 to 7.0 metres (1.2 to 21.1 ft.) (A) from the listening position. Also, this system allows you to place the surround speaker up to 4.6 metres (13.8 ft.) closer (B) to the satellite (Front/Center) speaker. You can place the surround speakers either behind or to the side of you, depending on the shape of your room, etc. The subwoofer can be placed anywhere in front of the listener.

Surround speaker to the side



Surround speaker to the rear



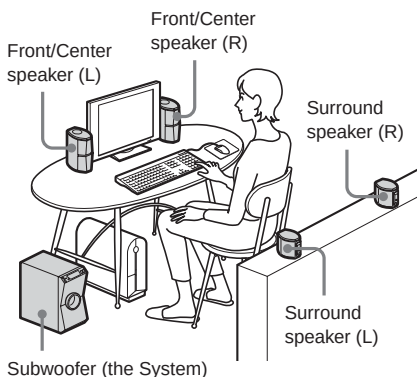
Note

Use caution when placing the speaker and subwoofer on a specially treated (waxed, oiled, polished, etc.) floor, as staining or discolouration may result.

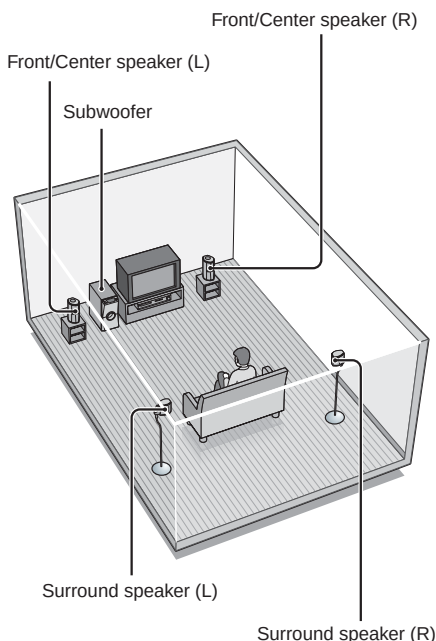
Speaker installation

For best performance, we recommend speaker placement as shown.

Installation image when connecting computer



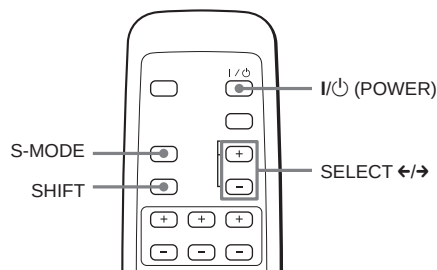
Installation image when connecting audio equipment



Specifying the speaker parameters

For the best possible surround sound, specify the distance of the speakers from your listening position.

This system will reproduce the best possible surround sound by automatically adjusting the output from each speaker according to the speaker's position.



- 1 Press I/O (POWER) to turn on the system.**
- 2 While pressing SHIFT, press S-MODE. DRC appears in the display.**
- 3 While pressing SHIFT, press S-MODE repeatedly for the desired setting.**

Each time you press S-MODE while pressing SHIFT, the setup menu changes as shown below. See each page listed below on how to make the initial setting.

DRC (Dynamic Range Control) (page 18)



APC (Auto Power Control) (page 19)



F-DIS (FRONT DISTANCE) (page 13)



S-DIS (SURROUND DISTANCE) (page 13)



4 While pressing SHIFT, set the parameter using SELECT $\leftarrow/\rightarrow$.

5 Repeat Steps 3 to 4 to set other parameters.

If you do not operate the remote for a few seconds, the parameter turns off and is stored in the system.

Parameters

The following are the parameters.

■F-DIS (FRONT DISTANCE)

Set the distance from the satellite (Front/Center) speakers to the listening position. The satellite (Front/Center) speaker distance can be set anywhere from 0.4 (1.2 ft.) to 7.0 metres (21.1 ft.), in steps of 0.2 metres (0.6 ft.). The default setting is 3 metres (9 ft.).

■S-DIS (SURROUND DISTANCE)

Set the distance from the surround speakers to the listening position in steps of 0.2 metres (0.6 ft.). The surround speaker to listening position distance can be set from equal to that of the satellite (Front/Center) speaker, down to a distance of 4.6 metres (15 ft.) closer than that of the satellite (Front/Center) speaker. The default setting is 3 metres (9 ft.).

For instance, when the distance of the satellite (Front/Center) speaker is 6 metres (18 ft.), the surround speaker can be placed at a distance of between 1.4 metres and 6 metres (4.2 to 18 ft.).

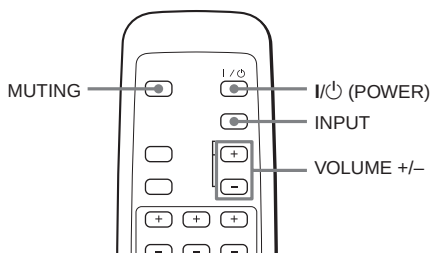
If the distance of the satellite (Front/Center) speaker is 3 metres (9 ft.), the surround speaker can be placed at a distance of between 0.4 and 3 metres (1.2 to 9.0 ft.).

The minimum is 0.4 metre (1.2 ft.).

Adjusting the Volume

Adjusting the volume of all the speakers together

You can adjust the volume of all the speakers together.



When connecting the subwoofer to a computer with the USB cable, the volume of the computer should be set to maximum.

1 Press I/⏻ (POWER) on the remote.
The subwoofer turns on and the I/⏻ (POWER) indicator lights up in green.

2 Play the program source.

3 If there is no sound, press INPUT to select the input source.
Each time you press INPUT, the input source is selected and appears in the display.

DISPLAY	INPUT
USB	USB jack
OPT (OPTICAL)	OPTICAL IN jack
ANA (ANALOG)	ANALOG IN (L/R) jacks

4 Press VOLUME +/- to adjust the volume level.

The present volume level appears in the display.
You can adjust the volume level from 0 to 40.

To mute the sound

Press MUTING.

M-ON (MUTING ON) is appears in the display. Press MUTING again to cancel.

Notes

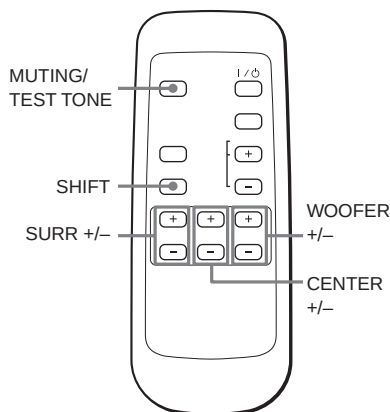
- Do not disconnect the USB cable or turn off the power during playback.
- When you increase the volume, the fan of the subwoofer starts working.
- If the following operation is performed with the volume level at 26 or more, the volume level will automatically be lowered to 25 to prevent speaker damage.
 - Press INPUT
 - Pressing I/⏻ (Power).
 - Turning on the power automatically using the auto power function.

Adjusting the speaker balance individually

You can adjust the speakers individually, except for the front speakers.

The center and surround speakers and subwoofer volume levels are adjusted to the front speaker volume level as the criterion. The speaker to be adjusted flashes in the display.

You can adjust each speaker's volume level between -6 dB and +6 dB.



To adjust the center speaker

Press CENTER +/-.

To adjust the Surround speakers

Press SURR +/-.

To adjust the subwoofer

Press WOOFER +/-.

Tip

The test tone will make it easier to hear the difference in the volume level of each speaker.

While pressing SHIFT, press MUTING/TEST TONE.

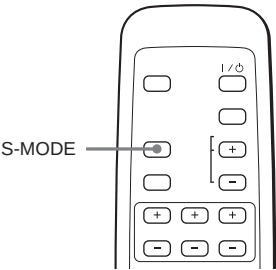
You will hear the test tone from each speaker in sequence. Adjust the volume level so that the volume of the test tone from each speaker sounds the same on the remote.

To turn off the test tone, while pressing SHIFT, press MUTING/TEST TONE again.

Selecting the Sound Field

You can enjoy surround sound simply by selecting one of the pre-programmed sound fields according to the program you want to listen to. You will get such presence that you will have the illusion that you are in a movie theater or concert hall while you are in your own room.

See the table on page 17 for the details on each sound field.



Press S-MODE repeatedly until the sound field you want appears in the display.

Each time you press S-MODE, the sound field mode is selected and appears in the display.

Sound field	Display
AUTO FORMAT DECODE	AUTO
DPLII MOVIE	PL2CI
DPLII MUSIC	PL2MU
CINEMA STUDIO EX A*	CSE-A
CINEMA STUDIO EX B*	CSE-B
CINEMA STUDIO EX C*	CSE-C
HALL	HALL
JAZZ CLUB	JAZZ
LIVE CONCERT	LIVE
GAME	GAME
2CH STEREO	2CH

* Use DCS Technology

About DCS (Digital Cinema Sound)

In collaboration with Sony Pictures Entertainment, Sony measured the sound environment of their studios and integrated the data of the measurement and Sony's own DSP (Digital Signal Processor) technology to develop "Digital Cinema Sound." "Digital Cinema Sound" simulates in a home theatre an ideal movie theatre sound environment based on the preference of the movie director.

When using headphones

When connecting the headphones to the HEADPHONE jack, you can select the following items.

Sound field	Display
2CH STEREO	2CH
HEADPHONE THEATER	H-T

Tips

- The system memorizes the last sound field selected for each source component selected by the INPUT (Sound Field Link).

When you select a component by the INPUT, the sound field that was last applied for the component is automatically applied.

For example, if you connect to the USB jack and select DPLII MOVIE as the sound field, then switch to OPT (OPTICAL) by the INPUT and select HALL as the sound field. If you switch to USB again, DPLII MOVIE will be applied as the sound field.

- You can identify the encoding format of program software by looking at its packaging.

Note

When you play sound tracks with 96 kHz sampling frequency, the output signals will be converted to 48 kHz sampling frequency.

Features of each sound field mode

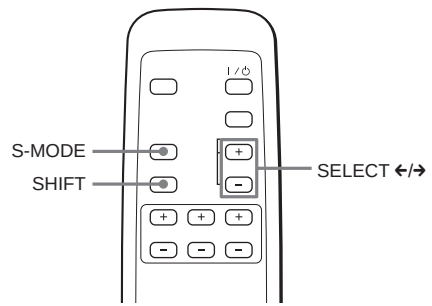
Sound field mode	Effect
AUTO FORMAT DECODE	Automatically detects the type of audio signal being input and performs the proper decoding if necessary. This mode presents the sound as it was recorded/encoded, without adding any effects.
DPLII MOVIE/MUSIC (Dolby Pro Logic II Movie/Music)	Dolby Pro Logic II produces five full-bandwidth output channels from two-channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts the spatial properties of the original recording without adding any new sounds or tonal colorations.
CINEMA STUDIO EX A	Reproduces the sound characteristics of the Sony Pictures Entertainment “Cary Grant Theater” cinema production studio. This is a standard mode, great for watching most types of movie.
CINEMA STUDIO EX B	Reproduces the sound characteristics of the Sony Pictures Entertainment “Kim Novak Theater” cinema production studio. This mode is ideal for watching science-fiction or action movies with lots of sound effects.
CINEMA STUDIO EX C	Reproduces the sound characteristics of the Sony Pictures Entertainment scoring stage. This mode is ideal for watching musicals or classic films where music is featured in the soundtrack.
HALL	Reproduces the acoustics of a rectangular concert hall.
JAZZ CLUB	Reproduces the acoustics of a jazz club.
LIVE CONCERT	Reproduces the acoustics of a 300-seat live concert.
GAME	Obtains maximum audio impact from video game software.
2CH STEREO	This mode outputs the sound from the headphone L/R. Standard 2 channel (stereo) sources completely bypass the sound field processing. Multi channel surround formats are downmixed to two channels.
HEADPHONE THEATER	This mode outputs the sound as surround from headphone L/R.

Adjusting the tone quality

Making the low-level sound (DOLBY DRC*)

When you listen at low volume, the system compresses the dynamic range and finely adjusts for low-level sound. It is only functional when a DVD disc for DRC (audio DRC) is played.

* Dolby DRC = Dolby Dynamic Range Control

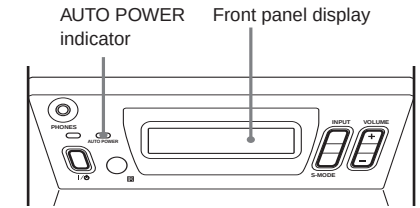


- 1 While pressing SHIFT, press S-MODE repeatedly until DRC (DOLBY DRC) appears in the display.
- 2 While pressing SHIFT, select STD (STANDARD) using SELECT <-/>. Select OFF, to turn off DRC. The default setting is OFF.

Turning off the power automatically

(Auto power on/off function)

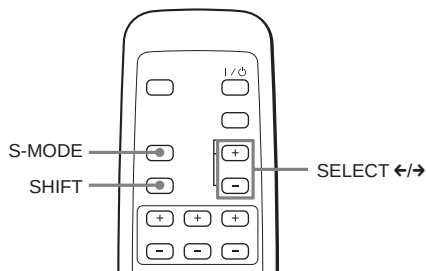
If this function is on, if no signal is applied to the selected input (selected by INPUT) for more than 5 minutes, system power will turn off automatically. Power will turn on again when signal is applied to the selected input.



Each type of mode, the AUTO POWER indicator on the system is changed the following.

Auto power	AUTO POWER indicator
ON	Green light up
OFF	Light out

To activate the auto power on/off function



- 1** While pressing **SHIFT**, press **S-MODE** repeatedly until **APC (Auto Power Control)** appears in the display.
- 2** While pressing **SHIFT**, select **ON** using **SELECT <=>**.
Select **OFF**, to turn off the auto power on/off function.
The default setting is **OFF**.

Tip

To turn off the system completely when **AUTO POWER** is on, press **I/⏻** (**POWER**). The **AUTO POWER** indicator will turn off.

Installation and setting for “WinDVD”

You can enjoy 5.1 channel sound on this system when you install the supplied application software “WinDVD” on your computer.

Follow the procedure to install and output setting for “WinDVD.” For using “WinDVD,” refer to Help after installing.

Installing WinDVD

Notes

- Before installing the software, uninstall the old version of “WinDVD.”
- When installing the software to the computer, you need to turn off the system.
- Before installing the software, quit all applications running on Windows.
- If you use Windows 2000 Professional or Windows XP, Log in as administrator before installing.
- Refer to “Required system for WinDVD” (page 5) for the required system equipment.

1 Place “WinDVD” software CD into your CD-ROM drive.

The installation CD-ROM window is displayed. If installer does not start automatically, launch “WinDVD” setup.exe program.

2 The setup window is displayed. Click “Next,” and then follow the on-screen instructions for installing.

3 The “User Information” window is displayed. Enter the user information and serial number, and then click “Next.”

The serial number is printed to CD-ROM package.

4 Follow the on-screen instructions to install.

In compliance with your request, specify the drive and folder to install.

5 When “Setup complete” window is displayed, click “Finish.”

In next step, set “WinDVD” output setting.

Tip

While installing “WinDVD,” the installation message for “DirectX 8.1” or “Microsoft HTML Help” will be displayed depending on Windows version. In this case, click “Yes” and follow the installation procedure of the installation message. These software is necessary to operate “WinDVD” correctly.

Setting “WinDVD” on your computer

After installing “WinDVD,” go to the next steps.

1 Start the “WinDVD” program.

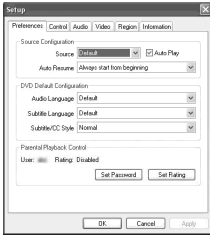
Start the program by selecting from the start menu or shortcut on the screen.

2 Right-click and select “set up” from the menu on the screen.

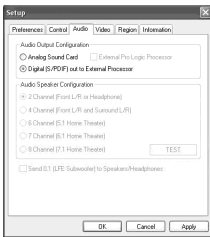


The setup window is displayed.

3 Select the “Audio” tab.



4 Select the “Digital (S/PDIF) out to External Processor,” click “Apply” and then click “OK.”



Notes

- The number of channel your computer outputs using “WinDVD” vary depends on the disc.
- Before using “WinDVD,” quit all sound-related applications. If any sound-related application is running, noise may be heard.
- “WinDVD” is necessary for 5.1ch sound.
- If audio cables are used for connection, 5.1ch sound will not be available.
- Some illustrations in this manual might be different slightly from your computer window.

Enjoying DVD via a connected computer

1 Turn on the power of the system and its USB-connected computer.

2 Insert a DVD into the DVD drive of your computer.

“WinDVD” starts automatically. Play the DVD.

3 Press INPUT on the system to select “USB.”

To use “WinDVD,” refer to Help

Select “Help” from the menu on the screen in step 2 of “Setting “WinDVD” on your computer” (page 20).

InterVideo Inc.
<http://www.intervideo.com/>

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Troubleshooting

If you experience any of the following difficulties while using the system, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Aiwa dealer.

Power

The power is not turned on.

- ➔ Check that the AC power cord (mains lead) is connected securely.
- ➔ Disconnect the AC power cord (mains lead) once and connect again after more than five seconds.

Sound

There's no sound.

- ➔ Press MUTING if "M-ON (MUTING ON)" appears in the display.
- ➔ Press VOLUME +/- to adjust the volume level.
- ➔ Make sure the USB connection, speaker cables, and audio connecting cords are correct (page 9).
- ➔ The input source is not selected properly. Press INPUT to select the equipment for playback (page 14).
- ➔ The headphones are plugged in, unplug the headphones.

The left and right sounds are unbalanced or reversed.

- ➔ Check that the speakers and components are connected correctly and securely (page 8).
- ➔ Adjust the volume level of each speaker (page 14).

Severe hum or noise is heard.

- ➔ Check that the speakers and components are connected correctly and securely (page 8).
- ➔ Check that the connecting cords are not near a transformer, motor, TV or fluorescent light.
- ➔ Move the TV away from the audio components.
- ➔ The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol.
- ➔ Clean the disc.

The sound loses stereo effect when you play a DVD, a VIDEO CD, or a CD.

- ➔ Check that the speakers and components are connected correctly and securely (page 8).

The surround effect is difficult to hear when you are playing a Dolby Digital sound track.

- ➔ Make sure the proper sound field function is selected (page 15).
- ➔ Check the speaker connections and settings (page 8, 11).
- ➔ Depending on the DVD, the output signal may not be the entire 5.1 channel but monaural or stereo even if the sound track is recorded in Dolby Digital format.

The sound comes from the center speaker only.

- ➔ Depending on the disc, the sound may come from the center speaker only.

The sound comes from the front speaker only.

- ➔ Make sure the proper sound field function is selected (page 15).
- ➔ Adjust the speaker volume (page 14).

No sound or only a very low-level sound is heard from the surround speakers.

- ➔ Make sure a proper sound field function is selected (page 15).
- ➔ Adjust the speaker volume (page 14).

The remote does not function.

- ➔ Remove any obstacles between the remote and the system.
- ➔ Use the remote near the system.
- ➔ Point the remote at the remote sensor  on the system.
- ➔ Replace all the batteries in the remote with new ones if they are weak.

The system does not operate properly.

- ➔ Static electricity, etc., may affect the system's operation. Disconnect the AC power cord (mains lead) once, then connect it again.

USB connection

The computer does not recognize this system.

- ➔ Make sure the system is connected to the computer with the supplied USB cable.
- ➔ It is recommended to connect the USB cable directly to the USB port of the computer.

There is no sound.

- ➔ "Mute" is selected in the Volume Control window. Open the Volume Control window and cancel "mute."
- ➔ The volume level is low, open the Volume Control window and adjust the volume.
- ➔ Open the Sound and Multimedia Properties window and click the Audio tab. Select this system as the preferred device.

There is no sound from 5.1ch sound

- ➔ Select any sound field other than "H-T" or "2CH" when using "WinDVD."
- ➔ Check the output setting of "WinDVD" is set correctly (page 20).

- ➔ The number of channel your computer outputs using "WinDVD" vary depends on the disc.

There is no sound from Audio CD.

- ➔ If the CD-ROM drive is not compliant with digital audio output, the sound from the CD-ROM drive will not be output via the USB connection. In this case, connect the audio output of the CD-ROM drive (e.g., the headphones output) to the ANALOG IN jacks and adjust the volume appropriately.
- ➔ If you use Windows 98 SE, confirm the setting of the audio device.
 - ① Open the Control Panel window.
 - ② Open the Multimedia window and select the USB audio device as the preferred device for sound playback.
 - ③ Select the CD Music tab. If the computer has more than one CD-ROM drive, play back a music CD. Select the drive and check "Enable digital CD audio for this CD-ROM device."

The sound is interrupted.

- ➔ The sound may be interrupted if other USB devices are connected or disconnected.
- ➔ If your computer does not meet the system requirements, it may not perform well. Besides, even if your computer meets the system requirements, the sound may be interrupted if the computer is under load. In this case, shut down other applications.

Returning to the default settings.

While the power is off (the  (POWER) indicator lights up red), press  (POWER) for 5 seconds until "INI" appears in the display.

Specifications

For the U.S.A. model

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL

HARMONIC DISTORTION:

With 4 ohms loads subwoofer driven, from 20 - 200 Hz; rated 20 watts minimum RMS power, with no more than 0.8% total harmonic distortion from 250 milliwatts to rated output.

SW-US501 (Subwoofer)

Max. output

Subwoofer: 30 W (4 ohms)

Front: 14 W + 14 W (8 ohms)

Dual center*: 14 W (4 ohms + 4 ohms)

Surround*: 14 W + 14 W (8 ohms)

* *Depending on the sound field settings and the source, there may be no sound output.*

Speaker system Bass reflex type

Speaker unit 130 mm (5 1/8 in.) dia.
cone type

Dimensions (approx.)

160 × 300 × 300 mm
(6 3/8 × 11 7/8 × 11 7/8 in.)
(w/h/d, not including the
projecting parts)

Mass (approx.) 5.8 kg (12 lb 13 oz)

SS-US501 (Front/Center speakers)

Speaker system Front: Closed box type

Center: Uni directional type

Speaker unit Front: 58 mm (2 3/8 in.) dia.
cone type

Center: 48 mm (1 15/16 in.) dia.
cone type

Rated impedance

Front: 8 ohms

Center: 4 ohms + 4 ohms

Dimensions (approx.)

85 × 200 × 125 mm
(3 3/8 × 7 7/8 × 5 in.)
(w/h/d, not including the
projecting parts)

Mass (approx.) 650g (1 lb 7 oz) × 2

Length of cable 3 m (9 ft.)

SS-US501 (Surround speakers)

Speaker system Closed box type

Speaker unit 58 mm (2 3/8 in.) dia. cone type

Rated impedance 8 ohms

Dimensions (approx.)

85 × 106 × 125 mm
(3 3/8 × 4 1/4 × 5 in.)
(w/h/d, not including the
projecting parts)

Mass (approx.) 350g (13 oz) × 2

Length of cable 8 m (24 ft.)

General

Power requirements

U.S.A. model: 120 V AC, 60 Hz

Other model: 220-240 V AC,
50/60 Hz

Power consumption

U.S.A. model: 75 W

1.2 W

(at the Power Saving Mode)

Other model: 75 W

0.3 W

(at the Power Saving Mode)

Operating temperature

5°C to 35°C

Operating humidity

5 % to 90 %

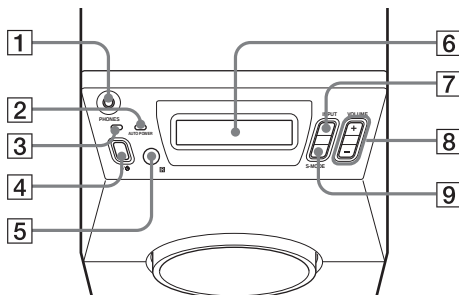
Supplied accessories

See page 7.

Design and specifications are subject to change
without notice.

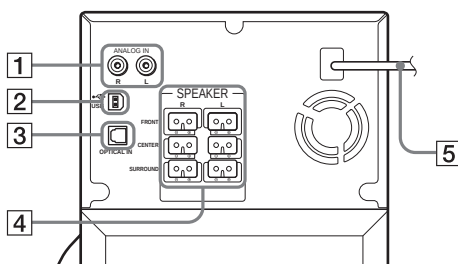
Index to Parts and Controls

Subwoofer (Front Panel)



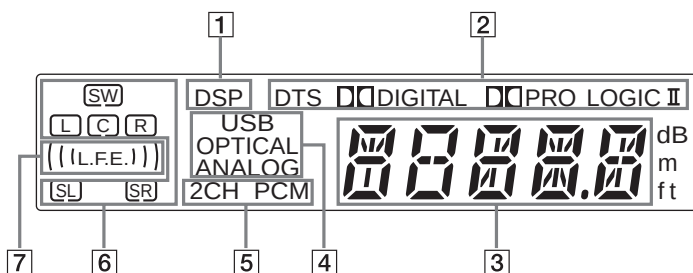
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|---|--|
| <p>1 HEADPHONE jack
Connect headphones here.</p> <p>2 AUTO POWER indicator
When the system is in the AUTO POWER ON mode, the indicator lights up green.</p> <p>3 I/⏻ (POWER) indicator
When turned on, lights up green. When turned off, lights up red (STANDBY MODE).</p> <p>4 I/⏻ (POWER)
Turns on and off the power of the system.</p> | <p>5 IR (remote sensor)
Receives the remote control signals.</p> <p>6 Display
Indicates the speaker setting, input signal, sound field mode, etc.</p> <p>7 INPUT
Select the input signal.</p> <p>8 VOLUME +/-
Adjust the volume and select settings.</p> <p>9 S-MODE
Adjust the sound field mode and select settings.</p> |
|---|--|

Subwoofer (Rear Panel)

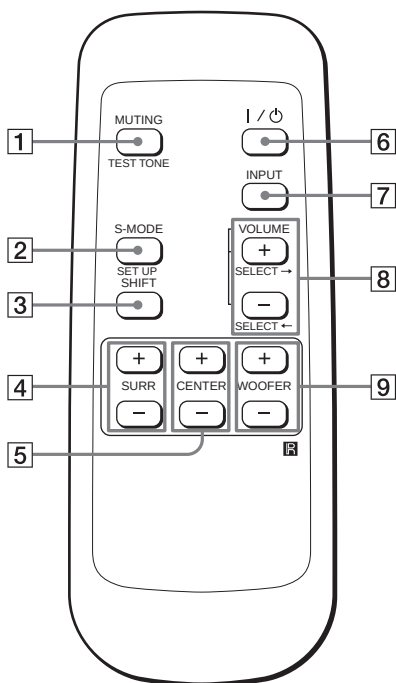


- | | |
|--|---|
| <p>1 ANALOG IN (L/R) jacks
Connect to the audio output of a TV, VCR, etc.</p> <p>2 USB jack
Connect to the computer.</p> | <p>3 OPTICAL IN jack
Connect to the DIGITAL OUT (OPTICAL IN) jack of a DVD player, etc.</p> <p>4 SPEAKER jacks
Connect to the supplied satellite speakers.</p> <p>5 AC power cord (mains lead)</p> |
|--|---|

Display



- | | |
|--|--|
| <p>1 Lights up when DSP (Digital Signal Processor) technology is activated.</p> <p>2 Displays the current decoding format.</p> <p>3 Displays the volume level, sound field, etc.</p> <p>4 Displays the input source.</p> | <p>5 Displays the signal of 2CH or PCM.</p> <p>6 Playback channel indicators</p> <p>7 Displays whether the disc being played back contains a LFE (Low Frequently Effect) channel.</p> |
|--|--|



- 1** **MUTING, TEST TONE**
Mutes the sound.
Pressing this button while pressing SHIFT will sound the test tone.
- 2** **S-MODE, SET UP**
Selects the sound field mode.
Pressing this button while pressing SHIFT will select the system menu.
- 3** **SHIFT**
Switches the function of the buttons on the remote.
- 4** **SURR +/-**
Adjust the surround speakers volume.
- 5** **CENTER +/-**
Adjust the center speaker volume.
- 6** **I / ⏻ (POWER)**
Turns on and off the system.
- 7** **INPUT**
Selects the input signal.
- 8** **VOLUME +/-, SELECT ⬅️➡️**
Makes the speaker settings or adjusts the volume of the system.
Pressing this button while pressing SHIFT will set the system setup parameters.
- 9** **WOOFER +/-**
Adjust the subwoofer volume.

